



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|------------------------------|-------------|----------------------|---------------------|------------------|
| 10/083,236 | 02/26/2002 | Craig L. Ogg | 47187/RRT/S850 | 5848 |
| 23363 | 7590 | 10/13/2006 | EXAMINER | |
| CHRISTIE, PARKER & HALE, LLP | | | HOMAYOUNMEHR, FARID | |
| PO BOX 7068 | | | ART UNIT | |
| PASADENA, CA 91109-7068 | | | PAPER NUMBER | |

2132

DATE MAILED: 10/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|---------------------------------------|-----------------------------------|--|
| Office Action Summary | Application No. 10/083,236 | Applicant(s) OGG ET AL. | |
| | Examiner Farid Homayounmehr | Art Unit 2132 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 August 2006.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-37 is/are pending in the application.
- 4a) Of the above claim(s) 2 and 22 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) 1, 3-21 and 23-37 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

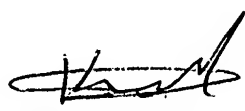
Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


KAMBIZ ZAND
PRIMARY EXAMINER

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>7/27/2006</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to communication dated 8/8/2006. Claims 1 to 37 are pending in the case. Claims 2 and 22 are cancelled.

Information Disclosure Statement

2. Information Disclosure Statement submitted by the applicant on 7/27/2006 has been considered. See attached form 1449.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

4. Claims 1 to 37 are rejected under 35 U.S.C. 102(e) as being anticipated by Cordery (US Patent No. 6,466,921, filed 6/12/1998).

Art Unit: 2132

4.1. As per claims 1 and 22, Cordery is directed to a system and method for providing public key infrastructure security in a wide area computer network (Fig. 1 and abstract), comprising: a user terminal (Fig. 1, item 20 and associated text) coupled to the computer network (Fig. 1) including a client system (Fig. 1 item 20); a private key, and a public key assigned to a user for authenticating a use transaction data record assigned to the user (col. 8 lines 17-24, where the Function Server verifies the signature of the meter record, and therefore authenticating the meter (transaction data) record) when the user registers with the system using the user terminal (col. 6, line 49 to 56, note that Fig. 1 item 38 and associated text shows how keys are generated. Also note that col. 10 line 20-27 suggests use of public and private keys as an alternative); a database remote from the user terminal for securely storing the private key and the public key in the user transaction data record assigned to the user (Fig. 1, item 36 and associated text. Note that per col. 6, line 36-44, all keys related to users and their accounts are stored in the database); and a cryptographic device remote from the user terminal and coupled to the computer network (column 7 lines 7 to 17, and "boxes" as shown in Fig. 1 and associated text) for signing the data in the user transaction data record assigned to the user utilizing the stored private key in the database (col. 8, lines 25-29), wherein the private key assigned to the user is not stored in the client system (column 6 line 36-44).

4.2. Claim 2 is cancelled.

4.3. As per claim 3, Cordery is directed the system of claim 1, wherein the private key

is encrypted when it is stored in the database (column 8 lines 29 to 30).

4.4. As per claim 4, Cordery is directed the system of claim 2, wherein a respective security device transaction data related to the user is loaded into a cryptographic device when the user requests a service (col. 8 lines 8-28).

4.5. As per claims 5-10, Cordery is directed the system of claim 1, wherein the cryptographic device is configured to authenticate the identity of the user and verify that the identified user is authorized to assume a role and perform a corresponding operation (Fig. 2, item 62 and associated text describes a mailer (user) database, that stores related information to the user. Col. 8, lines 14-18, describes user authentication. It is the general purpose of user authentication to determine user access rights and roles to allow the user to perform the activities corresponding to their role)

4.6. As per claim 11, Cordery is directed the system of claim 5, wherein the cryptographic device includes a computer executable code for supporting multiple concurrent users and maintaining a separation of roles and operations performed by each user (column 6, line 14-27, indicates multiple mailers (users) can connect to the system in the real-time).

4.7. As per claim 12, Cordery is directed the system of claim 5, wherein the cryptographic device stores information about a number of last transactions in a

Art Unit: 2132

respective internal register (disclosed by column 8 lines 19 to 25, where the data record freshness is verified).

4.8. As per claim 13, Cordery is directed the system of claim 12, wherein the database stores a table including the respective information about a last transaction a verification module to compare the information saved in the device with the information saved in the database (column 8 line 19 to line 25, also see col. 7, lines 27-50).

4.9. As per claim 14, Cordery is directed the system of claim 1, further comprising a digital certificate stored in the database and assigned to a user when the user registers with the system (column 6 line 1-5, describes sending the indicium to the user with a token (digital certificate)).

4.10. As per claim 15, Cordery is directed the system of claim 1, wherein the cryptographic device is configured for digitally signing a certificate (see response to claim 14).

4.11. As per claim 16, Cordery is directed the system of claim 1, wherein the cryptographic device is configured for encrypting data (see response to claim 1).

4.12. As per claim 17, Cordery is directed the system of claim 1, wherein the cryptographic device is configured for decrypting data (see response to claim 1).

4.13. As per claim 18, Cordery is directed the system of claim 1, wherein the database includes a user profile for the user (column 6 line 49 to 56).

4.14. As per claim 19, Cordery is directed to the system of claim 18, wherein the user profile includes username, password, account expiration, user role, logon failure count, logon failure limit, logon time-out limit, password expiration, and password period (column 6 lines 49-56).

4.15. As per claim 20, Cordery is directed to system of claim 5, wherein the cryptographic device is capable of performing one or more of DES (clearly disclosed in column 8 line 42 to 60), Rivest, Shamir and Adleman (RSA) public key encryption, Triple-DES, DSA signature, SHA-1, and Pseudo-random number generation algorithms (which are comparable encryption algorithms to DES and an apparent choices to a person skilled in the art to use as alternative methods of encryption).

4.21. As per claim 21, Cordery is directed to system of claim 5, wherein the cryptographic device stores information about a number of last transactions in an internal register and compares the information saved in the register with the information saved in a memory before loading a new transaction data (as mentioned in response to claim 12, record freshness is checked before the transaction is allowed).

Art Unit: 2132

4.22. Limitations of claims 22-37 are substantially the same as limitations of claims 1-22 above.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Farid Homayounmehr whose telephone number is 571 272 3739. The examiner can normally be reached on 9 hrs Mon-Fri, off Monday biweekly.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (571) 272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Farid Homayounmehr

Application/Control Number: 10/083,236

Page 8

Art Unit: 2132

Examiner

A handwritten signature in black ink, appearing to read 'Kambiz Zand', written over a horizontal line.

KAMBIZ ZAND
PRIMARY EXAMINER

Art Unit: 2132